



# Standards *Actions*

## Projects Initiated

The following DOE technical standards projects were recently initiated. If you are interested in participating in the development of these standards, please contact the persons listed below.

- DOE-STD-3006-93, *Planning and Conduct of Operational Readiness Reviews*, Project No. MISC-0030; Jeffery L. Roberson, DP-31; 301-903-8026. (Note: This project will revise the standard to conform with the new DOE Orders System. Since this involves only an editorial change, no review cycle is required.)

## Documents

### Recently Published

- DOE-HDBK-7502-95, *Implementing U.S. Department of Energy Lessons Learned Programs*, Volumes 1 and 2, August 1995.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-2865.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., standards and handbooks) on the Internet by the end of December 1995. To date, 55 of the 67 currently approved DOE technical standards have been placed on the Internet at the following address:

<http://apollo.osti.gov/html/techstds/techstds.html>

The following DOE technical standards have recently been placed on the Internet:

- DOE-HDBK-1010-92, *Fundamentals Handbook, Classical Physics*, June 1992.

- DOE-STD-1010-92, *Guide to Good Practices for Incorporating Operating Experiences*, July 1992.
- DOE-STD-1011-92, *Guide to Good Practices for the Design, Development, and Implementation of Examinations*, July 1992.

## Technical Standards Program Document Status as of 10/31/95

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
27	49	20	1

**Total in process = 69**

- DOE-STD-1023-95, *Natural Phenomena Hazards Assessment Criteria*, September 1995.
- DOS-STD-1032-92, *Guide to Good Practices for Operations Organization and Administration*, December 1992.
- DOE-STD-1045-93, *Guide to Good Practices for Notifications and Identification of Abnormal Events*, June 1993.
- DOE-STD-1061-93, *Guide to Good Practices for the Selection, Training, and Qualification of Shift Supervisors*, February 1993.

## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. For information on membership, call Bethany Marks at 212-642-4948.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

**The following American National Standards are currently in coordination:**

- AMCA 240, *Laboratory Methods of Testing Positive Pressure Ventilators for Rating* (new standard); comments due November 28, 1995.
- ANS 8.5, *Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material* (revision of ANSI/ANS 8.5-1986); comments due December 12, 1995.
- ASTM B 0076, *Test Method for Accelerated Life of Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating* (new standard); comments due December 12, 1995.
- ASTM B 0344, *Specification for Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements* (new standard); comments due December 12, 1995.
- ASTM B 0827, *Practice for Conducting Mixed Flowing Gas (MFG) Environmental Tests* (new standard); comments due December 12, 1995.
- AWWA D115-95, *Standard for Circular Prestressed Concrete Water Tanks with Circumferential Tendons* (new standard); comments due December 12, 1995.
- IEEE C57.131-1995, *Standard Requirements for Load Tap Changers* (new standard); comments due December 12, 1995.
- UL 1323, *Standard for Safety for Scaffold Hoists* (new standard); comments due December 12, 1995.
- UL 1740, *Standard for Safety for Industrial Robots and Robotic Equipment* (new standard); comments due November 28, 1995.
- UL 2083, *Standard for Safety for Halon 1301 Recovery/Recycling Equipment* (new standard); comments due November 28, 1995.
- X3.270, SCSI-3, *Architecture Model (SAM)* (new standard); comments due December 12, 1995.

**The following newly published American National Standards are available from ANSI:**

- ANSI/ASHRAE 30-1995, *Method of Testing Liquid-Chilling Packages*.
- ANSI/ASME B31.1-1995, *Power Piping*.
- ANSI/ASME SPPE-1b-1995, *Quality Assurance and Certification of Safety and Pollution Prevention Equipment Used in Offshore Oil and Gas Operations*.
- ANSI/HI 7.1-7.5-1994, *Controlled Volume Pumps for Nomenclature, Definitions, Application, and Operation*.
- ASME B31.8c-1994, *Gas Transmission and Distribution Piping Systems*.

**The following international standards are currently in coordination** (due dates follow each entry):

- 45A/205/FDIS, *Nuclear power plant - Main control room - Verification and validation of design* - October 17, 1995.
- 64/791/FDIS, *Draft Amendment 1 to IEC 364-4-41: Electrical installations of buildings - Part 4: Protection for safety - Chapter 41: Protection against electric shock* - November 15, 1995.
- ISO/DIS 13475-1, *Acoustics - Determination of sound emission quantities for stationary audible warning devices used outdoors - Part 1: Field measurements* - January 14, 1996.
- prEN 134 REVIEW, *Respiratory protective devices - Nomenclature of components* - November 8, 1995.
- prEN 720-1, *Transportable gas cylinders - Classification of gases and gas mixtures - Part 1: Gases and gas mixtures - Properties of gases* - January 10, 1996.
- prEN 12015, *Electromagnetic compatibility - Product family standard for lifts, escalators and passenger conveyors - Emission* - December 31, 1995.
- prEN ISO 9241-1 REVIEW, *Ergonomic requirements for office work with visual display terminals (VDTs) - Part 1: General introduction (ISO/DIS 9241-1: 1995)* - December 27, 1995.
- prEN 12065, *Installations and equipment for liquefied natural gas - Suitability testing of foam concentrates designed for generation of medium and high expansion foam and of extinguishing powders used on liquefied natural gas fires* - December 27, 1995.
- prEN 12077-2, *Cranes - Safety - Design requirements for health and safety - Part 2: Limiting and indicating devices* - January 4, 1996.
- prEN 12094-8, *Fixed fire fighting systems - Components for CO<sub>2</sub> systems - Part 8: Specification and test methods for flexible connectors* - January 17, 1996.
- prEN 12098-1, *Controls for heating systems - Part 1: Outside temperature compensated control equipment for hot water heating systems* - January 21, 1996.

**The following newly published international standards are available from ANSI:**

- ISO 6246: 1995, *Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method*.
- ISO 9806-2: 1995, *Test methods for solar collectors - Part 2: Qualification test procedures*.
- ISO 10211-1: 1995, *Thermal bridges in building construction - Heat flows and surface temperatures - Part 1: General calculation methods*.
- ISO 11276: 1995, *Soil quality - Determination of pore water pressure - Tensiometer method*.

- IEC 695-2-20: 1995, *Fire hazard testing - Part 2: Glowing/ Hot wire based test methods - Section 20: Hot-wire coil ignitability test on materials.*
- IEC 1772: 1995, *Nuclear power plants - Main control room - Application of visual display units (VDU).*

### American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in ASTM *Standardization News*. Orders for subscriptions or single copies of ASTM *Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9743 (FAX 610-832-9666). The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

#### **The following ASTM standards are currently in**

**coordination:** (the due date for all items is November 10, 1995).

- C 1310, *Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration*, (new standard).
- New Standard, *Specification for Uranium Oxides with a 235U Content of Less Than 5% for Dissolution Prior to Conversion to Nuclear-Grade Uranium Dioxide* (Ref. Z4047Z).
- New Standard, *Specification for Deformed and Plain Stainless Steel Bars for Concrete Reinforcement* (Z5696Z).
- New Standard, *Specification for Flow of Freshly Mixed Hydraulic Cement Concrete* (Z5376Z).
- New Standard, *Methods of Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry* (Z2355Z).
- New Standard, *Practice for Performance Evaluation of In-Plant Walk-Through Metal Detectors* (Ref. Z4206Z).
- New Standard, *Test Method for the Non-Destructive Assay of Nuclear Material in Scrap and Waste by Passive-Active Neutron Counting Using a 252 Cf Shuffler* (Ref. Z5415Z).
- New Standard, *Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Energy Source* (Ref. Z3846Z).

- New Standard, *Guide for Preparing a Measurement Plan for Conducting Outdoor Sound Measurement* (Ref. Z5406Z).

#### **The following newly published standards are available from ASTM:**

- C 1131-94, *Practice for Least Cost (Life Cycle) Analysis of Concrete Culvert, Storm Sewer and Sanitary Sewer Systems* (new standard).
- C 1295-95, *Test Method for Gamma Energy Emission from Fission Products in Uranium Hexafluoride* (new standard).
- C 1296-95, *Test Method for the Determination of Sulfur in Uranium Oxides and Uranyl Nitrate Solutions by X-Ray Fluorescence (XRF)* (new standard).
- C 1297-95, *Guide for Laboratory Analysts for the Analysis of Nuclear Fuel Cycle Materials* (new standard).
- D 5679-95, *Practice for Sampling Consolidated Solids in Drums or Similar Containers* (new standard).
- D 5681-95, *Terminology for Waste and Waste Management* (new standard).
- E 1699-95, *Practice for Performing Value Analysis (VA) of Buildings and Building Systems* (new standard).
- E 1707-95, *Guide for Estimating Uncertainties in Dosimetry for Radiation Processing* (new standard).

### NGS Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

#### **American Welding Society**

**Office:** 550 N. W. LeJeune Road  
Miami, FL 33126

**Contact:** Charles R. Fassinger

- BSR/AWS B1.10, *Guide for the Nondestructive Examination of Welds* (revision).

#### **National Association of Architectural Metal Manufacturers**

**Office:** 11 South LaSalle Street, Suite 1400  
Chicago, IL 60603

**Contact:** Edward R. Estes, Jr.

- BSR/NAAMM HMMA 863-95, *Guide Specifications for Detention Security Hollow Metal Doors and Frames* (revision).

## National Fire Protection Association

**Office:** 1 Batterymarch Park  
Quincy, MA 02269

**Contact:** Arthur E. Cote

- BSR/NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems* (revision).
- BSR/NFPA 12A, *Standard on Halon 1301 Fire Extinguishing Systems* (revision).
- BSR/NFPA 258, *Standard Research Test Method for Determining Smoke Generation of Solid Materials* (revision).
- BSR/NFPA 270, *Standard Test Method for Determination of Specific Optical Density of Smoke* (new standard).

## Underwriters Laboratories, Inc.

**Office:** 1655 Scott Boulevard  
Santa Clara, CA 95050

**Contact:** Paul Lloret

- BSR/UL 1062, *Standard for Safety for Unit Substations* (new standard).

**Office:** 12 Laboratory Drive  
Research Triangle Park, NC 27709

**Contact:** Betty Allen

- UL 193, *Standard for Safety for Alarm Valves for Fire-Protection Service* (revision).

## Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856. Questions or comments may also be referred to Don Spellman, 423-574-7891, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065. The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886.



# Standards *Actions*

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